

DELAYED DECISION DOT PLACEMENT FOR  
PLANE-DEPENDENT CMYK ERROR DIFFUSION

## ABSTRACT OF THE INVENTION

- 5           A printing method and system thereof. The locations in a printed  
image for a plurality of first color (e.g., cyan) dots and the locations in the  
printed image for a plurality of second color (e.g., magenta) dots are  
determined. Locations in the printed image for a plurality of third color dots  
(e.g., yellow) are then determined. The locations for the third color dots are  
10       dependent on the locations of the first color dots and the locations of the  
second color dots. The decision on where to place third color dots is thus  
made after, and therefore dependent on, the decisions on where to place  
first color dots and second color dots. Accordingly, color fluctuations in the  
printed image are minimized, resulting in superior color smoothness and  
15       improving the quality of the printed image.

FOOTNOTES